



Webinar on The Renewable Energy Landscape in India

Event Description:

The webinar on The Renewable Energy Landscape in India was organized by R&A- Smart Infrastructure (Clean Technology) & Department of ECE, Centurion University of Technology and Management was organized on 21ST September 2020

Centurion University of Technology and Management, Odisha
Center for Smart Infrastructure (Clean Technology)

Webinar On
The Renewable Energy Landscape in India
21st September 2020

Eminent Speakers

- Dr. Usha Bajpai**
Retd. Professor, Dept. of Physics
University of Lucknow, U.P.
- Dr. Mahendra Ku. Mohanty**
Professor, BPCLE Biofuel Chair
OUAT, Bhubaneswar, Odisha
- Dr. Pradipt Ku. Jena**
Sr. Asst. Professor, Dept. of Chemistry
OUAT, Bhubaneswar, Odisha

No Registration Fee

E Certificate will be provided to the participants after successful submission of Feedback Form

Meeting URL: <https://meet.google.com/akh-zoer-cep>

Patron
Prof. (Dr.) Supriya Pattanayak
Vice Chancellor, CUTM

Topics to be Covered

- Renewable Energy Trends in India
- Solar PV Applications
- Wind Energy Applications
- Solar Thermal System
- Biofuel Production from Biomass
- Bioethanol Production from Lignocellulosic Biomass

Coordinators
Sri. Nimay Chandra Giri, Asst. Professor, CREE, CUTM
Sri. Debaraj Rana, Asst. Professor, ECE, CUTM
Contact No: 6371211594/9861232210
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Webinar on
The Renewable Energy Landscape in India
(21st September 2020)

Organized by
Center for Smart Infrastructure
(Clean Technology)
Centurion University of Technology and Management, Odisha

Programme Schedule

Date	Time	Speaker Name and Affiliation	Topic
21.09.2020	9:30AM	Inauguration	
21.09.2020	9:45 AM-11:15 AM	Dr. Usha Bajpai (Retired Professor, University of Lucknow)	<ul style="list-style-type: none"> Renewable Energy Trends in India Solar PV Applications Wind Energy Applications
21.09.2020	11:15 AM-1:00 PM	Dr. Mahendra Kumar Mohanty (Professor, OUAT, Bhubaneswar)	<ul style="list-style-type: none"> Solar Thermal System Biofuel Production from Biomass
21.09.2020	1:00 PM	LUNCH BREAK	
21.09.2020	2:30 PM-4:00 PM	Dr. Pradipt Kumar Jena (Sr. Asst. Professor, OUAT, Bhubaneswar)	<ul style="list-style-type: none"> Bioethanol Production from Lignocellulosic Biomass
21.09.2020	4:00 PM	Valedictory	

Patron
Prof. (Dr.) Supriya Pattanayak,
Vice Chancellor, CUTM

Advisory Committee Members
Dr. Anita Patra, Registrar, CUTM
Dr. A. M. Mohanty, ProVC, CUTM
Prof. Jagannath Padhi, Director, CUTM
Dr. Prasanta Ku. Mohanty, Dean Academics, CUTM
Mr. Vishal Kumar Singh, Center Coordinator

Dr. Sibha Prasad Mishra, Dept. of Civil Engg.
Mrs. Debasree D. Behera, Dept. of Mech. Engg.
Mr. Sunuti Ranjan Nayak, Dept. of CREE
Mr. Jamal Uddin Khan, Dept. of Mech. Engg.

Program Agenda

Inauguration
9:30 AM: Welcome Address by Dr. Supriya Pattanayak, VC, CUTM
9:35 AM: Address to Participants by Prof. J. Padhi, Director, BBSR Campus
9:40 AM: Briefing of Webinar and Details by Coordinator
9:45: Presentation by Speakers

Valedictory Session
4:10 PM: Feedback from Participants
4:20 PM: Vote of Thanks by Coordinator

Program Coordinators
Sri. Nimay Ch. Giri, Asst. Professor, CREE CUTM [nimay.giri@cutm.ac.in]
Sri. Debaraj Rana, Asst. Professor, ECE, CUTM [debaraj.rana@cutm.ac.in]

Nimay chandra Giri

Convener



Anita Patra



Dr. Anita Patra, Registrar, CUTM



Webinar Report on “The Renewable Energy Landscape in India”

Date: 21.09.2020 (9:30 AM -4 :00 PM)

Participants: 89

Webinar Organizer: R&A- Smart Infrastructure (Clean Technology)
Department of ECE
Convenor: Sri Nimay Chandra Giri (Dept. of CREE)
& Sri Debraj Rana (Dept of ECE)

Resource Persons:

- 1) Dr. Usha Bajpai, Retired Professor, Dept. Of Physics, University of Lucknow, U.P.
- 2) Dr. Mahendra Kumar Mohanty, Professor, BPCL Biofuel Chair, OUAT.
- 3) Dr. Pradeep Kumar Jena, St. Assistant Professor, Dept. Of Chemistry, OUAT.

Participant: Both Faculty & Students attended, around 100; (Documents is attached, 25% participants from outside)

Objectives :

The objectives of this Webinar are as follows;

- 1) Create appropriate awareness among people's
- 2) Concept on different Renewable Energy resources
- 3) View of Indian Renewable Energy sector
- 4) Efficient use of Solar PV & Thermal
- 5) Efficient use of Biomass and Biofuel

Objective of Renewable Energy Products:

- 1) Energy Savings
- 2) Eco-friendly
- 3) Easy to Installation

4) Available Anywhere

5) Green in nature

6) Reliable Power Production

* To establish India as a global leader in solar energy.

Topic Covered:

1) Renewable Energy trends in India

2) Solar PV Applications

3) Wind Energy Applications

4) Solar Thermal Systems

5) Biofuel Production from Biomass

6) Bioethanol Production from Biomass

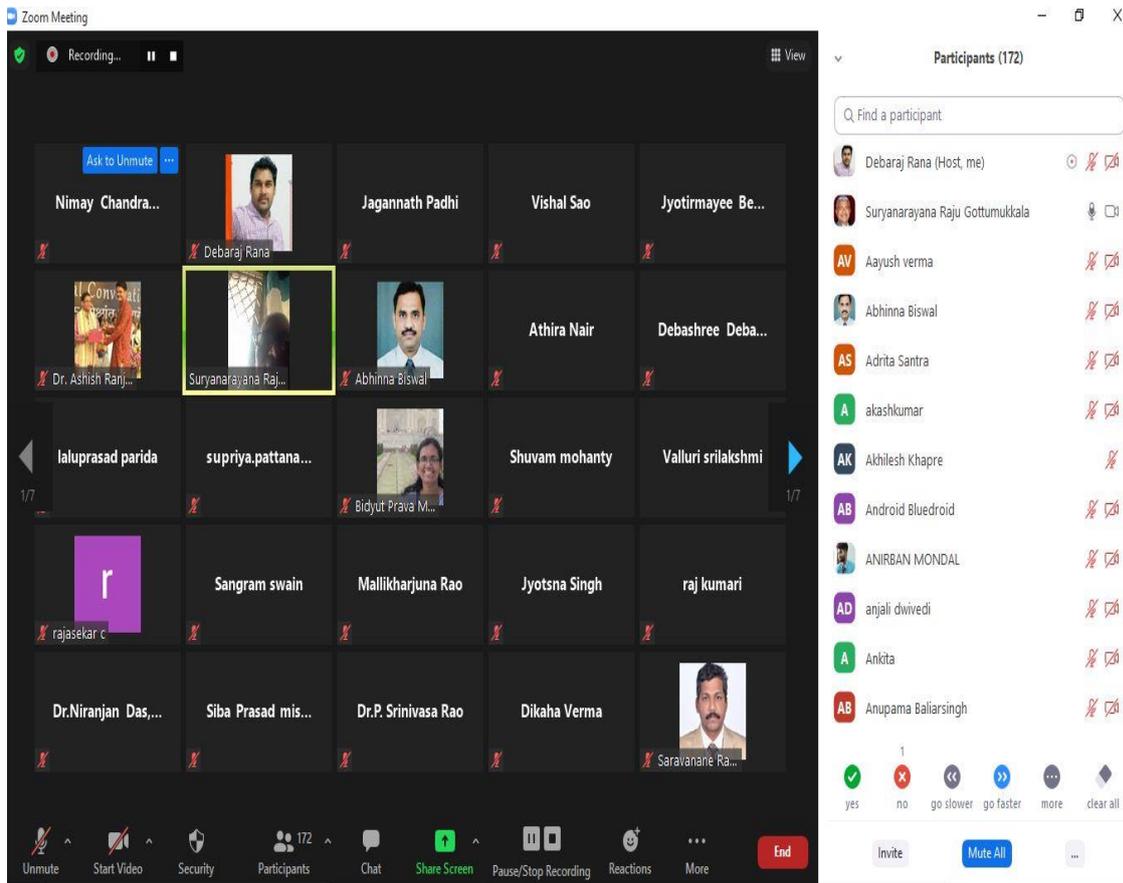
Detailed report of the activity (About 300 Words+): Online event

Renewable energy is energy that is collected from renewable resources that are naturally replenished on a human timescale. It includes sources such as sunlight, wind, water (rain, tides, waves), and geothermal heat. Renewable energy often provides energy for electricity generation to a grid, air and water heating/cooling, and stand-alone power systems. India is world's 3rd largest consumer of electricity and world's 3rd largest renewable energy producer with 38% of energy capacity installed in the year 2020 (136GW of 373 GW) coming from renewable sources. Ernst & Young's (EY) 2021 Renewable Energy Country Attractiveness Index (RECAI) ranked India 3rd behind USA and China. In November 2021, India had a renewable energy capacity of 150 GW consisting of solar (48.55 GW), wind (40.03 GW), small hydro power (4.83 GW), bio-mass (10.62 GW), large hydro (46.51 GW), and nuclear (6.78 GW). India has committed for a goal of 450 GW renewable energy capacities by 2030.

As of January 2022, India's installed renewable energy capacity stood at 152.36 GW, representing 38.56% of the overall installed power capacity. 975.60 MW of renewable energy capacity was added in January 2022. Power generation from renewable energy sources stood at 13.15 billion units (BU) in January 2022, up from 11.51 BU in January 2021. The country is targeting about 450 Gigawatt (GW) of installed renewable energy capacity by 2030 – about 280 GW (over 60%) is expected from solar. The renewable energy capacity addition stood at 8.2 GW for the first eight months of FY22 against 3.4 GW for the first eight months of FY21. ICRA expects renewable energy capacity addition of 12.5 GW in FY22 and 16 GW in FY23.



Inaugural Session on 21.09.2020



Lecture on Renewable Energy Resources on 21.09.2020

Topic covered in the webinar:

- Renewable Energy trends in India
- Solar PV Applications
- Wind Energy Applications
- Solar Thermal Systems
- Biofuel Production from Biomass
- Bioethanol Production from Biomass

Outcomes of the webinar:

After successful completion of the program, participants are able to familiarize with the following information;

- Technical and physical information on Renewable Energy Applications
- Importance of Solar Energy & it's Applications
- Project on Solar PV, Thermal, Wind, Biofuel

- Make critical comparisons of different Renewable energy systems
- Communicate technological, environmental and socio-economic issues around Renewable Project Installation and its power generation.

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Nimay chandra Giri

Convener



Anita Patra



Dr. Anita Patra, Registrar, CUTM



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

List of Participants
Webinar on The Renewable Energy Landscape in India
Date: 21/9/2020
Time: 9.30-4.00

S. No.	Name	Registration Number	Absent/ Present
1	Silan Kumar Behera	180705100076	p
2	Rinku Samal	190705120018	p
3	Sunil Duhan	180705100070	p
4	Damayanti Behera	190705120009	p
5	Arpita Patro	192205120112	p
6	Poonam Khuntia	190705120113	p
7	DR. BIKRA M KUMA R	190705120016	p
8	Malli K Bhabani Dash	190705120002	p
9	Liza Rout	190705120012	p
10	Tapas Parmanik	190705120001	p
11	Shrikant Muduli	190705120015	p
12	Athira B Nair	190705120003	p
13	Nishikanta Mishra	190705120004	p
14	Dr. Surendra Poonia	190705120005	p
15	B. Souravkumar	190705120006	p
16	Ananya Mishra	190705120007	p
17	Debasmita Sethi	180705100077	p
18	Dibyajyoti Sahoo	1907051200023	p
19	Biswaranjan Behera	190705120019	p
20	Pooja Maharatha	170301161060	p
21	Sonali Mishra	170301161061	p
22	Subhashree Nayak	170301161062	p
23	KIRANSANKAR SENAPATI	170301161063	p
24	Sushanta Sahoo	170301161064	p
25	Sandeep Pradhan	170301161065	p
26	Rama Prasanna Dalai	170301161066	p
27	Mamali Mohanty	170301161067	p
28	Kundan Malu	170301161068	p
29	Debabrata Mishra	170301161069	p
30	ANUNAYAKAR	170301161070	p
31	SIDHARTH PANDA	170301161071	p
32	Rupa Das	170301161072	p
33	Amar Kumar Das	170301161073	p
34	Arghyarupal Dhal	170301161074	p
35	Saswat Kumar Swain	170301190003	p

36	Sarita Sethi	170301190004	p
37	DEBIPADA MISHRA	170301190005	p
38	Anindya Mohanty	170301190006	p
39	Dr.Chandra Sekhar Dash	170301190007	p
40	Suchismita Mandal	170301190010	p
41	Arpita Patra	170301190011	p
42	Harish Chandra Mohanta	170301190012	p
43	Nallam Sai Kamalesh	170301190013	p
44	Rudra Ratikanta Pothal	170301190014	p
45	SHREEYA SURABHI NAYAK	170705120004	p
46	Sonu saw	170705120005	p
47	Saswati Das	170705120006	p
48	Ambikesh pratikhya ranjan parida	170705120007	p
49	Shwetapadma Khamari	170101120014	p
50	Mandeep Bose	170101120015	p
51	ABINASH PRADHAN	170101120007	p
52	Swetalin Sahoo	170101120044	p
53	SOMABRATA SAHU	170101120045	p
54	Sagarika Panda	170101120006	p
55	Sarita sethi	170101120017	p
56	Jitendra Pramanik	170101120002	p
57	Mrs. SOWJANYA	170101120003	p
58	sadhana devi	170101120012	p
59	abhiman rath	170101120013	p
60	smruti ranjan nayak	170101120016	p
61	soumalik pradhan	170101120001	p
62	saishekar das	170101120011	p
63	rajendra behera	170101120019	p
64	pragnyashri ranashing	170101120020	p
65	debashree datta behera	170101120004	p
66	shvaranjan kumar	170101120005	p
67	amrutha pattanaik	170101120023	p
68	sayan pattjoshi	170101120024	p
69	sukhava siisatiah	170101120025	p
70	purnali sha choudhury	170101120029	p
71	vcharaz kumar	170101120030	p
72	madhuch handa swain	170101120032	p
73	sudipta niranjan parida	170101120036	p
74	subhalazmi shukla	170101120038	p
75	VOONA SRIJA	170101120039	p
76	P. HARSHAVARDHAN	170101120040	p
77	ANKADALA KARUNAKAR	170101120041	p
78	VALLA PRIYANKA	170101120042	p
79	G. PAVAN KALYAN	170101120043	p
80	MONALISA PRADHAN	170101120044	p
81	SAASWAT PANIGRAHI	170101120045	p
82	POREDDI PRIYANKA	170101120046	p

83	METTA DEVENDRA PRASAD	170101120047	p
84	ALIBILLI MAHESH	170101120048	p
85	POTNURU MANIKANTA	170101120049	p
86	KILLAMSETTY PRAVEENA	170101120050	p
87	TULUGU RAHUL	170101120051	p
88	DARAPU ABHISHEK	170101120052	p
89	HRUDANAND NIAL	170101120053	p



Nimay chandra Giri

Convenor

Anita Patra



Dr. Anita Patra, Registrar, CUTM